

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claim 1 (Currently Amended) A high-voltage insulation system for electrical insulation of components whose operating temperature is below ambient temperature comprising a coolant and a solid material having a cured polymer matrix and a base fabric, wherein the base fabric comprises cellulose in the form of pressboards.

Claim 2 (Previously Presented) The high-voltage insulation system as claimed in claim 1, wherein the coolant comprises liquid nitrogen and the components contain high-temperature superconductor material.

Claim 3 (Canceled)

Claim 4 (Currently Amended) The high-voltage insulation system as claimed in ~~claim 3, wherein~~ claim 1, wherein the base fabric comprises a laminate having at least two layers of pressboards, which are separated by at least one intermediate layer.

Claim 5 (Previously Presented) The high-voltage insulation system as claimed in claim 4, wherein the intermediate layer comprises a fabric composed of cotton, nylon or polyethylene fibers.

Claim 6 (Previously Presented) The high-voltage insulation system as claimed in claim 1, wherein, in order to grade electrical fields, carbon in the form of fibers or fabrics is added to the base fabric.

Claim 7 (Previously Presented) The high-voltage insulation system as claimed in claim 1, wherein, for mechanical reinforcement glass fibers in the form of fibers or fabrics are added to the base fabric.

Claim 8 (Withdrawn) A method for producing a high-voltage insulation system comprising a coolant and a solid material having a cured polymer matrix and a base fabric, wherein a base fabric comprising cellulose is formed in the dry state as a pressboard and is then impregnated with a polymer resin.

Claim 9 (Withdrawn) The method as claimed in claim 8, wherein the pressboard has a thickness d , and a minimum radius of curvature R , and in that the ratio R/d is less than 150.

Claim 10 (Withdrawn) The method as claimed in claim 8, wherein the formed pressboard forms a coil former on which at least one winding of a superconducting conductor is wound, and the coil former and the winding are then impregnated jointly.

Claim 11 (Currently Amended) The ~~high-voltage insulation system~~ electrical device as claimed in ~~claim 4, wherein, in claim 12, wherein~~ in order to grade electrical fields, carbon in the form of fibers or fabrics is added to the intermediate layer.

Claim 12 (New) An electrical device immersed in a coolant and having components whose operating temperature is below ambient temperature and having a high-voltage insulation system for electrical insulation of the components, the insulation system comprising a solid material with a cured polymer matrix and a base fabric comprising cellulose in the form of pressboards.

Claim 13 (New) The electrical device as claimed in Claim 12, wherein the coolant comprises liquid nitrogen and the components contain high-temperature superconductor material.

Claim 14 (New) The electrical device as claimed in Claim 12, wherein the base fabric comprises a laminate having at least two layers of pressboards, which are separated by at least one intermediate layer.

Claim 15 (New) The electrical device of Claim 14, wherein the intermediate layer comprises a fabric composed of cotton, nylon or polyethylene fibers.

Claim 16 (New) The electrical device of Claim 12, wherein for mechanical reinforcement, glass fibers in the form of fibers or fabrics are added to the base fabric.

Claim 17 (New) The high-voltage insulation system of Claim 1, wherein the solid material has a low partial discharge inception field between 1 kV/mm and 10 kV/mm at a temperature of 77 K.

Claim 18 (New) the electrical device of Claim 12, wherein the solid material has a low partial discharge inception field between 1 kV/mm and 10 kV/mm at a temperature of 77 K.